

**Abstract:**

- The present invention relates to a powder which, in addition to a polymer, comprises a flame retardant based on ammonium polyphosphate, to the use of this powder for the layer-by-layer
- 5 production of moldings, and also to moldings produced from this powder. The moldings constructed using the inventive powder have marked advantages with regard to their flammability, when comparison is made with conventional products, and this permits use in aircraft, for example.
- 10 Furthermore, moldings produced from inventive powder also have improved mechanical properties, when comparison is made with moldings based on conventional powders, in particular in relation to modulus or elasticity and in relation to tensile strength. In addition, these moldings also have a density close to that of injection moldings.